

## **SOIL-DIRECTED AND OTHER FOLIAR APPLICATIONS - CARROTS**

### General Information

#### FORESTRY APPLICATION INSTRUCTIONS

Consult with recognized forest pest management authorities or an AEF Global Inc. representative regarding appropriate timing and method of application. The timing and number of applications required for effective forest protection will depend upon the target pest, target foliage development, pest pressure and larval activity. Correspond applications with sufficient foliage development (shoot elongation or leaf expansion) to ensure maximum spray deposit. To the extent possible, apply treatments after egg hatch has been completed to assure that the maximum number of larvae is present during the treatment period. In conditions where egg hatch is extended and/or larval development is significantly advanced and/or larval populations are high, use of higher rates and/or additional applications, 3-10 days apart, is recommended. See dose rate table for pest-specific application instructions.

#### Ground Application:

Dilute required amount of Bioprotec PLUS with water only to the volume required to provide thorough coverage. Do not wet foliage to the point of excessive runoff.

For mist blower applications, add Bioprotec PLUS to water at a ratio of 1:20 to 1:50. Use a maximum of 10.7 gallons of spray mixture per acre.

For high volume hydraulic sprayers, add Bioprotec PLUS to water at a ratio of 1:50 to 1:500. Use a maximum of 107 gallons of spray mixture per acre.

#### Aerial Application:

Apply only by fixed-wing or rotary aircraft equipment that has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label. Label rates, conditions and precautions are product specific.

Apply only at the rate specified for aerial application on this label. Where no rate for aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment. Ensure uniform application by using appropriate marking devices and/or electronic guidance equipment.

Undiluted applications are highly recommended for most labeled pests. To improve coverage, Bioprotec PLUS may be diluted with water and applied at the rates indicated in the dose rates table. Total volume of spray material to be applied per acre depends upon the target pest, target foliage, weather, spray equipment and droplet size. Best results are expected when Bioprotec PLUS is applied undiluted to dry foliage with well calibrated aircraft and appropriate spray systems capable of delivering droplets in the range of 500-170 U.S. mesh (30-80 microns) for coniferous foliage and 270-100 U.S. mesh (50-150 microns) for broadleaf foliage.

#### FOR AGRICULTURAL USES:

For use on trees or shrubs being grown for sale or other commercial use, such as for commercial seed production or research purposes.

- Use the higher rates on advanced larval stages or under high density larval populations.

#### Limitations, Restrictions, and Exceptions

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#### CARROTS

##### Application Directions

- For post planting applications: Begin 28-50 days after planting. Apply on a 14- to 21-day interval by chemigation, by ground equipment with a spray directed to the base of the plant, or shanked in with liquid fertilizer. All ground applications must be followed by irrigation by one inch of water to promote movement of material into the root zone.
- Directed spray (broadcast or band): Make up to 4 applications beginning 40-60 days after planting on a 14- to 21-day interval. Apply as a spray directed to base of plant. Use sufficient water to provide uniform coverage of soil.
- For banded applications, use a 7-inch band.
- Irrigation: Inject Ridomil Gold SL into the irrigation water.

- For best control of cavity spot, use a preventive disease control program that incorporates an at-planting or seed treatment use of Ridomil Gold SL or Apron XL followed by one or more additional applications.

For additional applications, see Carrots in Part 1 of Directions for Use: Soil-Injected or Soil-Incorporated Applications.

#### Use Restrictions:

1. If a seed treatment containing mefenoxam or metalaxyl is used, do not use a soil application.
2. Do not exceed a total of 1.5 pt/A (0.75 lb ai/A) on post planting applications.
3. Do not exceed a total of 1 pt/A (0.5 lb ai/A) per single post planting application.
4. To avoid illegal residues, DO NOT apply more than 2.8 pt (1.4 lb ai/A) of Ridomil Gold SL per acre per crop season. The total can be split as instructed below.
5. Do not exceed the equivalent of 1.4 lb ai/A (2.8 pt/A) per crop of total mefenoxam-containing products. The total can be split as instructed below.
6. Do not exceed the equivalent of 0.65 lb ai/A (1.3 pt/A) per crop of soil-applied and 0.75 lb ai/A (1.5 pt/A) per crop of foliar-applied mefenoxam-containing products.

#### Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

[Band application](#)

[Irrigation](#)

[Injection](#)

[Directed Spray](#)

Pre-Harvest Interval

7 days

#### Rates

[field\\_rates 0](#)

[field\\_rates 1](#)

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Restricted Entry Interval

48 hours

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection

Standard, under certain circumstances, allows workers to enter the treated area immediately if there will be no contact with anything that has been treated.

Timings

[Postplant](#)